



## Zone 1 Supplemental Instructions

### Sandwich Doors

**16'-1" wide up through 18'-0" wide**

Design pressure: 12.4 pos / 13.8 neg

Test pressure: 18.6 pos / 20.7 neg

**C.H.I. OVERHEAD DOORS**  
 Arthur, IL (217) 543-2135

When installed in accordance with C.H.I. Windbreaker instructions, this door will meet or exceed the following criteria when tested to ANSI/DASMA 108 or ASTM E 189-02.



Design pressure:  
 12.4 / -13.8 psf

Test pressure:  
 18.6 / -20.7 psf

Maximum Size:  
 18'-0" x 14'-0"

Drawing Number:  
 Z1-1807-02XXX

**Sample Label**

 <b>CAUTION</b>	<p><b>Higher wind pressures and larger doors require additional reinforcement.</b></p> <p><b>Premature failure of door system may result from improper application.</b></p> <p><b>Use these instructions only for the wind pressures and door sizes as listed above.</b></p>
 <b>WARNING</b>	<p><b>These supplemental instructions do not contain basic door installation steps and relative safety information.</b></p> <p><b>Failure to avoid basic installation steps and relative safety information may result in injury or death.</b></p> <p><b>Door installers must follow a primary instruction manual for basic door installation steps and relative safety information.</b></p>

Garage door reinforcement details include:

- Top fixture type and attachment.
- Strut attachment.
- Flag bracket attachment to the wall and track system.
- Track bracket quantity and placement.
- End hinge type and attachment.
- Strut type and placement.

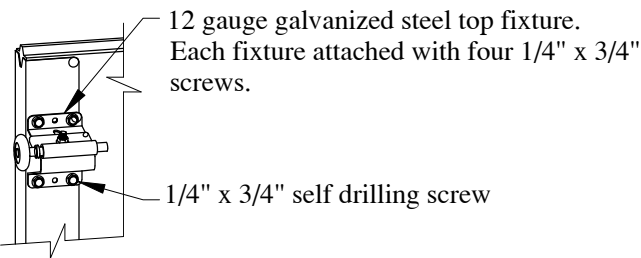
A locking system must be installed if the door is not electrically operated.

Vinyl door stop is required on all garage doors.

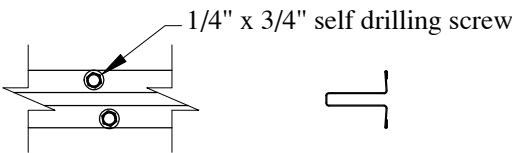
The correct selection of door and framing materials is the responsibility of the building owner/designer following local building code directives. Use of a reinforced garage door does not constitute automatic compliance with any building code. Local building code officials determine compliance criteria.

Top Fixture Detail

(Strut, if applicable, not shown for clarity.)

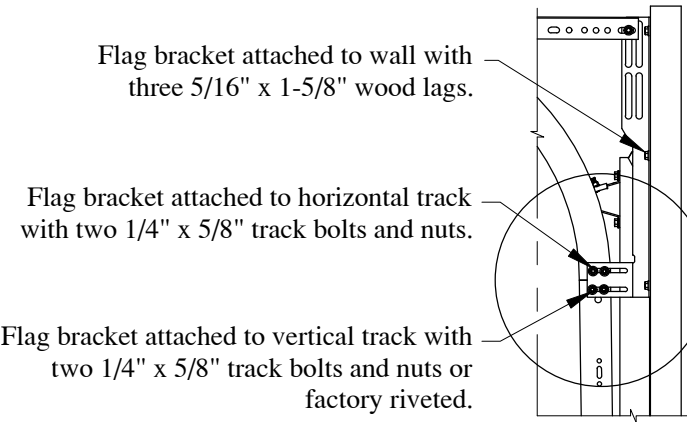


Strut Attachment Detail



20 gauge galvanized steel 3" strut attached with two 1/4" x 3/4" screws to every hinge plate.

Flag Bracket Detail

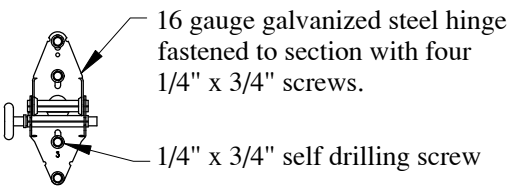


Track Bracket Locations

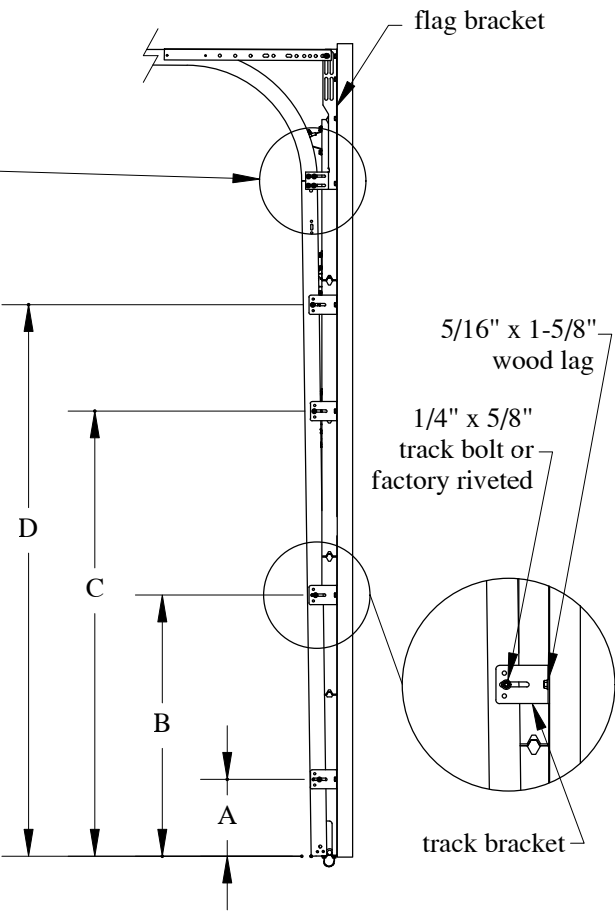
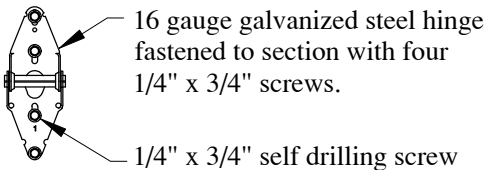
	door height / four sections			door height / five sections					
	6'-6"	6'-9"	7'-0"	7'-6"	7'-9"	8'-0"	8'-3"	8'-6"	8'-9"
D	n/a	n/a	n/a	72"	69"	72"	81"	84"	87"
C	60"	63"	66"	58"	55"	58"	60"	63"	66"
B	35"	35"	38"	34"	31"	34"	32"	35"	38"
A	10"	7"	10"	10"	7"	10"	4"	7"	10"

Track bracket locations shown above are for doors up to five sections high. Additional door sections may be added for a maximum door height of 14'-0". One track bracket (per track) must be added for each section and spaced at a distance not greater than the corresponding section height.

End Hinge Detail

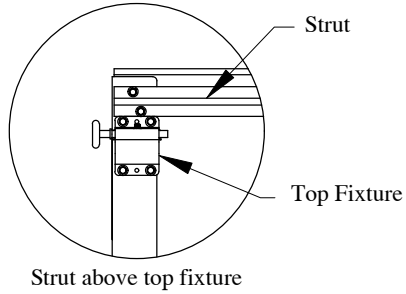


Intermediate Hinge Detail

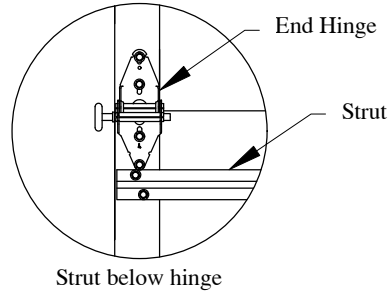


# Four Section High Doors 16'-1" wide up through 18'-0" wide

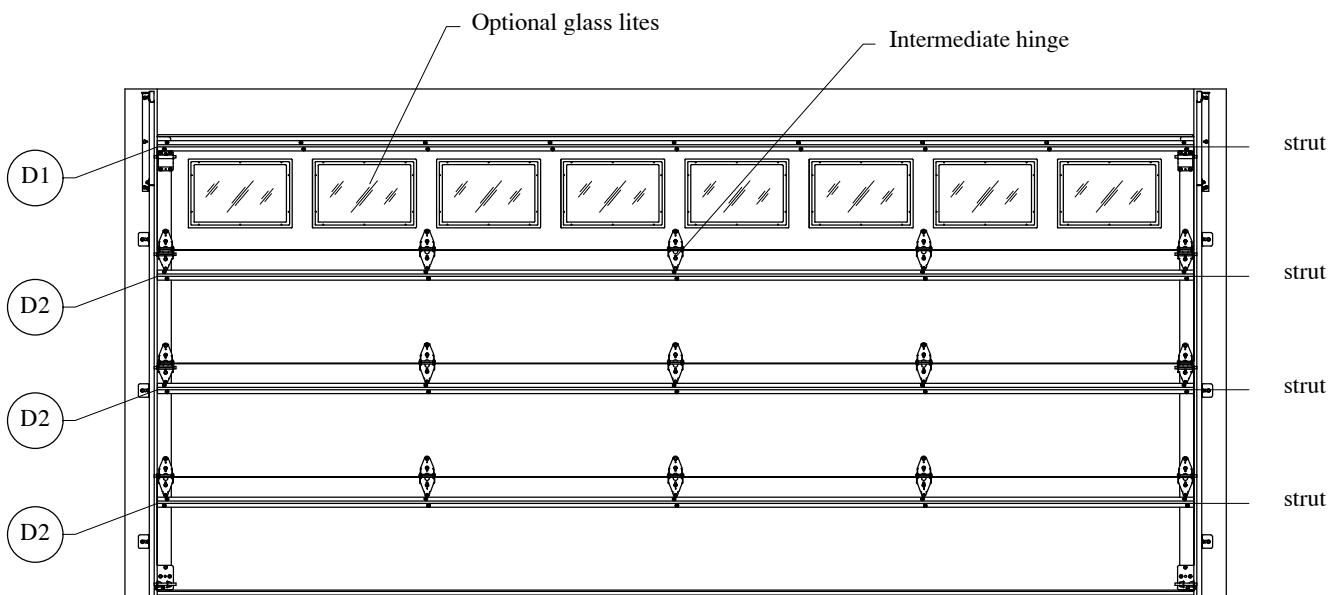
## Strut Placement



Detail 1



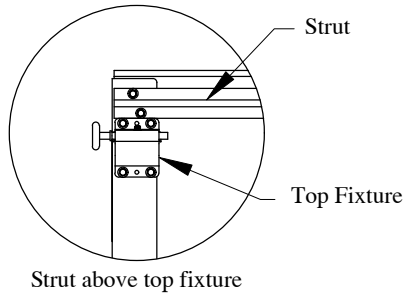
Detail 2



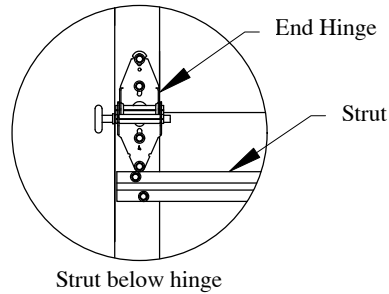
4 struts total

# Five Section High Doors 16'-1" wide up through 18'-0" wide

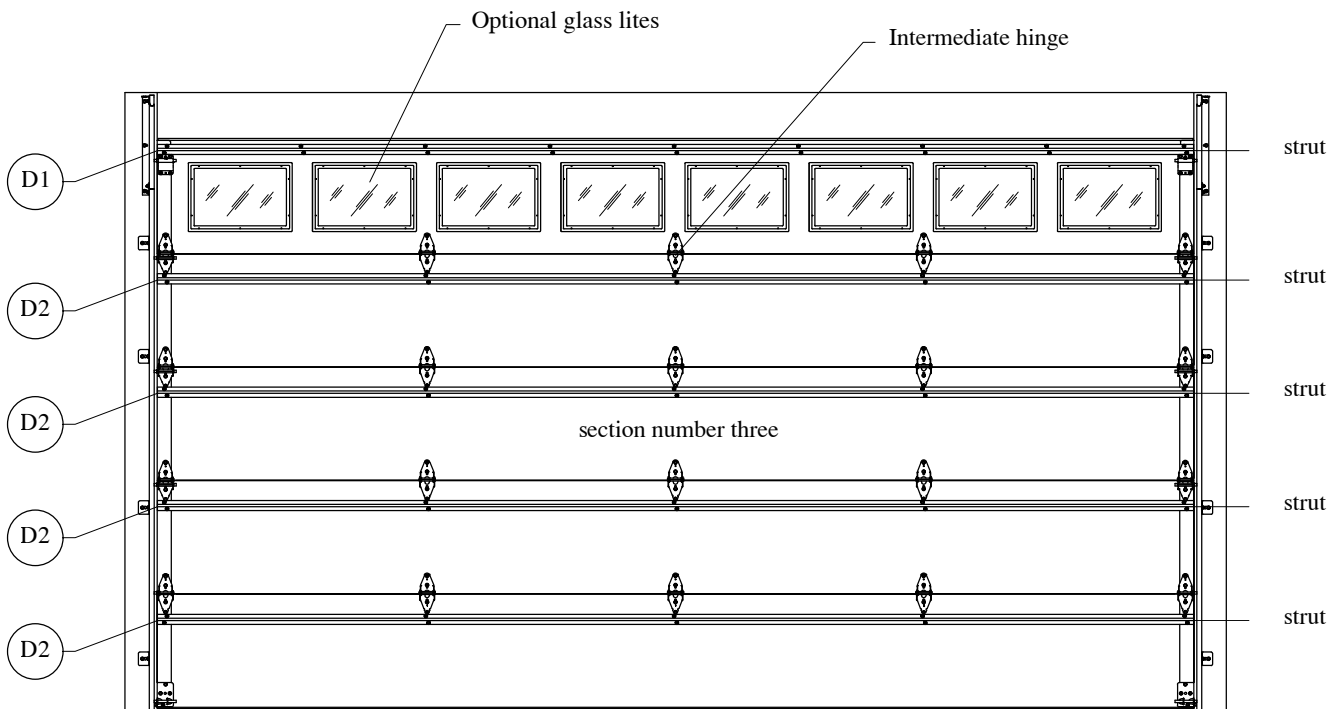
## Strut Placement



**Detail 1**



**Detail 2**



Additional sections may be added for a maximum door height of 14'-0".  
Each additional section must have one strut as shown above in section  
number three and be installed above the third section.

5 struts total